

AMENDMENTS TO THE CLAIMS

9. *(Currently amended)* A method for viewing a structure of interest in an image with a three-dimensional volume, comprising the steps of:
 - (a) selecting a start-point and an end-point encompassing said structure of interest in a plane of said image, ~~wherein said structure has a minimum slab thickness of 4 voxels~~; and
 - (b) for each of a plurality of pixels defined in said plane
 - (i) projecting a line in the view direction of said plane,
 - (ii) determining a boundary pair defining said structure of interest along said line, ~~wherein points comprising said boundary pair are at least two voxels apart~~,
 - (iii) determining a first intensity for said structure of interest enclosed by said boundary pair,
 - (iv) determining a second intensity for structures surrounded by said boundary pair,
 - (v) re-determining said boundary pair using said first intensity and said second intensity,
 - (vi) re-determining said first intensity for said re-determined boundary pair, ~~and~~
 - (vii) assigning said re-determined first intensity and said re-determined boundary pair to said pixel associated with said line[.], ~~and~~
 - (viii) displaying results of said assigning.

18. *(Currently amended)* A method of generating a movie of a structure of interest, comprising the steps of:

- (a) defining a plurality of image projection planes;
- (b) for each one of said projection planes determining a plurality of boundary pairs defining said structure of interest in the view plane associated with said projection plane, wherein said structure of interest has a minimum slab thickness of 4 voxels ~~points comprising said boundary pairs are at least two voxels apart~~;
- (c) determining at least one intensity for said structure of interest associated with each one of said boundary pairs;
- (d) defining said view of said structure of interest by said plurality of boundary pairs and said associated intensities determined in each of said plurality of projection planes; and
- (e) sequencing through said plurality of projection planes[.]; and
- (f) displaying results of said sequencing.